BRUHAT BANAGLORE MAHANAGARA PALIKE

Project Division

Rajajrajeshwari Nagara

RATE ANALYSIS-2015-16

Name of Work: Providing Play Equipments (out Door Gym) in Jalahalli Govt School in ward no 16.

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No141., I.No.19.1 of KPWD S.R 2015-16).	Cum.	PWD	141	19.1	77.00	96.16	13.85	187.013
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation,plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No 13., I.No.4.7 of KPWD S.R 2015-16).	Cum.	PWD	13	4.7	5085.00		406.80	**5491.800**
3	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (Page No 18., I.No.4.49.1 of KPWD S.R 2015-16).	Cum.	PWD	18	4.49.1	5863.00		469.04	**6332.040**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
4	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (Page No 109, I.No.14.62 of KPWD S.R 2015-16).	Sqm	PWD	109	14.62	1053.00		84.24	**1137.240**
5	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials, labour, hire charges of machinery, loading,unloading, lead and lift, transportation etc., complete. (Page No 25., I.No.5.30 of KPWD S.R 2015-16).	No.	PWD	25	5.30	297.00		23.76	**320.760**
6	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8(Page No 179, I.No.24.1 of KPWD S.R 2015-16)	Sqm	PWD	179	24.1	57.00		4.56	**61.560**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
7	SUPPLYING AND FIXING OF LEG PRESS DOUBLE OF SAFE AREA : 2.8MTR X 1.5 MTR, CENTRE PIPE : 100 NB GI B-CLASS PIPE, SEAT FRAME : 32 NB GI B-CLASS Pipe, BACK REST : LLDP Plastic, SEAT REST : LLDP Plastic, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), STOPER : PU ROD, NUT BOLTS CAP : Nylon 66 injection moulded, NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER IN CHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**90000.000**
8	SUPPLYING AND FIXING OF FUN WALKER DOUBLE OF SAFE AEA : 3 MTR X 2 MTR, MAIN FRAME : 100 NB GI B-class Pipe, LEG FRAME : 32 NB GI B- CLASS Pipe, HANDLE FRAME : 25 NB GI B-CLASS Pipe, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLT CAP : Nylon 66 injection moulded, BEARING : PERMENANT SEALED OF REPUTED MAKE (FAG/SKF), NUT BPLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**150000.000**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
9	SUPPLYING AND FIXING OF PENDULUM DOUBLE OF SAFE AREA : 2.5 MTR X 1 MTR, MAIN FRAME : 100 NB GI B- class Pipe, LEG FRAME : 40 NB GI B- CLASS Pipe, HANDLE FRAME : 25 NB GI B-CLASS Pipe, SEAT : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOULTS CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**90000.000**
10	SUPPLYING AND FIXING OF SHOULDER PRESS DOUBLE OF SAFE AREA : 4 MTR X 2.5 MTR OF CENTRE PIPE : 100 NB GI B-class Pipe, SEAT FRAME : 32 NB GI B-CLASS Pipe, HANDLE FRAME : 32 NB & 15 NB GI B-CLASS Pipe, Handle cover : TPEE injection moulded, SEAT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, NUT BOLT CAP : Nylon 66 injection moulded, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER IN CHARGE OF THE WORK	No.	Approved Rate in Project-West,BBMP						**180000.000**

Sl No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
11	SUPPLYING AND FIXING OF CYCLE TWO WAY OF SAFE AREA : 2.5 MTR X 1 MTR, MAIN FRAME : 100 NB GI B-class Pipe, ARM FRAME : 40 NB GI B-class Pipe, HANDLE FRAME : 20 NB GI B-CLASS Pipe, SEAT : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLTS CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**105000.000**
12	SUPPLYING AND FIXING OF TAI CHI SPINEER DOUBLE OF SAFE AREA : 2 MTR. DIA, MAIN FRAME : 100NB GI B-class Pipe, HANDLE FRAME : 32 NB GI B-CLASS Pipe, SPINNING RING : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLT CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STELL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**90000.000**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
13	SUPPLYING AND FIXING OF TWISTER THREE WAY OF SAFE AREA : 2.5 MTR. DIA, MAIN FRAME : 100 NB GI B – class Pipe, ARM FRAME : 32 NB GI B – CLASS Pipe, HANDLE FRAME : 20 NB GI B – CLASS Pipe, TWISTER DISC : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection mouded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLTS CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**90000.000**
14	SUPPLYING AND FIXING OF CHEST PRESS DOUBLE – OF SAFE AREA : 4 MTR X 2.5 MTR, OF CENTRE PIPE : 100 NB GI B-class Pipe, SEAT FRAME : 32 NB GI B-CLASS Pipe, HNDLE FRAME : 32 NB & 15 NB GI B-CLASS Pipe, Handle cover : TPEE injection moulded, SEAT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS CAP : Nylon 66 injection moulded, NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**180000.000**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
15	SUPPLYING AND FIXING OF FUN ROVER, SAFE AREA : 2.5 MTR X 1.5 MTR., MAIN FRAME : 80 NB GI B-class Pipe, SEAT FRAME : 80 NB GI B-CLASS Pipe, HANDLE FRAME : 32 NB GI B-CLASS Pipe, SEAT : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLT CAP : Nylon 66 injection moulded, BEARINGS : PERMANRNT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**62000.000**
16	SUPPLYING AND FIXING OF FUN RIDER, SAFE AREA: 2.5 MTR X 1.5 MTR., MAIN FRAME: 80 NB GI B-class Pipe, SEAT FRAME: 80 NB GI B-CLASS Pipe, HANDLE FRAME: 32 NB GI B-CLASS Pipe, SEAT: LLDP Plastic, PIPE CAP: Nylon 66 injection moulded, BEARING CAP: Nylon 66 injection moulded, BEARING HOUSHING AND PIN: Seamless Pipe & Round Bar, NUT BOLTS CAP: Nylon 66 injection moulded, BEARINGS: PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS: HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT: DONE BY PURE POLYURETANE POWDER WITH 70 - 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**150000.000**

Sl. No	Particulars	Unit	SR 2015-16	Page No.	Item No.	Basic Rate	Lead for 10km	Area Weigtage at 8%	Total Rate in Rs.
17	SUPPLYING AND FIXING OF STEP TRAINER OF SAFE AREA : 3 MTR X 1.5 MTR, MAIN FRAME : 100 NB GI B-class Pipe, BOTTOM FRAME : 40 NB GI B-CLASS Pipe, HANDLE FRAME : 32 NB & 15 NB GI B-CLASS Pipe, Handle cover : TPEE injection moulded, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARNING CAP : Nylon 66 injection moulded BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLTS CAP : Nylon 66 injection moulded, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**181500.000**
18	SUPPLYING AND FIXING OF ROLLING BARREL DOUBLE OF SAFE AREA : 2.8 MTR X 1.5 MTR, CENTRE PIPE : 100 NB GI B-CLASS, SEAT FRAME : 32 NB GI B-CLASS Pipe, BACK REST : LLDP Plastic, SEAT REST : LLDP Plastic, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), STOPER : PU ROD, NUT BOLTS CAP : Nylon 66 injection moulded, NUT BOULTS : HIGH TENSILE STEEL, GALBANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER IN CHARGE OF THE WORK.	No.	Approved Rate in Project-West,BBMP						**144000.000**

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19	KSRRB M800-4. Providing and erecting direction and place identification retro-reflectorised sign as per IRC :67-2012 made of high intensity grade sheeting vide clause 800.1.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications. MORTH Specification No.801Using Type IV sheeting (Page No 180., I.No.24.4.1 of KPWD S.R 2015-16).	Sqm	PWD	180	24.4.1	6953.00		556.24	**7509.240**

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